

WONDER Mill
WONDER Miller

CHOYAL[®]
Innovative Grinding Solutions

Two Innovations Together



WE NEVER FORGET HOW MUCH YOU RELY ON

CHOYAL[®]

KEY FEATURES

- CAD generated design for easy and improved grinding operation.
- Grain feeding by Screw feeder controlled by VFD for constant feeding.
- New design for easy disengaging of emery stone for easy maintenance.
- Innovative Stone disengaging system*
- Gear Drive coupled with horizontally mounted motor for better efficiency.
- Power saving as well as Improved Torque for more yields.
- Enclosed body design for good sanitation.
- Better Motor Bearing Life.
- No hassle for replacing of V Belts.
- Mill's Outlet is designed to be coupled to pickup drum.
- Base plate Thickness 12 MM
- Frame made of 1st Quality Heavy-duty 91 MM Hollow Pipe & 4" Channel
- Supplied with Motor Stand and Safety Guard.
- Conical Hopper & Screw feeder with glass
- Stainless Steel Cover for grinding chamber
- Compatible for digital operation
- Heavy duty Spiral Bevel Gear-90 degree input 25 HP, hollow output. Complete with Coupling and Main Shaft
- Hopper with integrated magnet
- Supplied with Bharat Bijlee make 25 HP 960 RPM Motor
- Hydraulically operated auto Pressure System



KEY FEATURES

- All chakkies are controlled by 7" TFT HMI Touch Screen Panel.
- Pre-set parameters for recipes provided i.e. Atta, Fine Atta, Daliya, Cracking.
- 30 Pre-set recipes to assign grinding to mills.
- Recipe can be assigned as per the milling requirement.
- Wonder Miller can access process malfunctioning during milling and take actions accordingly, if problem persists, Wonder Miller will shut down the particular mill only.
- Input of grain will be handled by Wonder Miller as per the requirement of recipe.
- Flour temperature is controlled by Wonder Miller and can be changed as per the recipe.
- No burning of flour due to control parameter temperature.
- Power saving control parameters.
- If no input in any mill, Wonder Miller will not run that particular mill.
- Data logging used for Mill Running hours, Power Consumption & Output Temperature.
- Three Step Control- Alarm Remedy and Shut down.
- Ethernet Port option available for remote access of PLC.*
- Provides standard 128KB battery backup for memory.*
- AMC available for Wonder Miller.*
- Wonder Miller is available for set of 2, 4 & 6 mills



Wonder Miller



S. No.	Particulars	Conventional Flour Mill	Wonder Mill With Wonder Miller
1.	Body Design	Conventional designed with angle frame	3D Computer Aided Design for better efficiency and less vibration.
2.	Motor Fitment	Vertical fitment	Horizontal fitment for improved bearing life.
3.	Grain Feeding	Manual feeding by gravity	Auto variable feeding as per grinding requirement by motorized screw feeder
4.	Stone Unloading	No equipment for unloading stone	Innovative stone unloading system is provided thus one man can unload the heavy stone
5.	Stone Disengaging	Manual, In emergency it may be not useful as it requires manual interface and attention	Auto Stone disengaging System, Wonder Miller control the system for auto stone disengaging and disengage the stone when required and as well the operator can also press the emergency switch to operate the stone disengaging system.
6.	Output Weighing	No system	Yes, Wonder Miller can log the data for output and make list for the whole day data containing the mill No. and its output for the day and cumulative as well.
7.	Power Saving	No system	Yes, Wonder Miller can save upto 30% of power.
8.	Stone Burning	No system	No burning of stone as the Wonder Miller takes care of high temperature.
9.	Product Quality	Lesser qualitative product and consistency as it depends on the fall of grain by gravity and the observation of attendant.	Consistent product as the Wonder Miller manages the feed automatically and pressure on stone and as the time elapse system and stone worn out Wonder Miller will adjust the gap between stones automatically.
10.	Output Temperature	No System	Wonder Mill will take care of the temperature of output you will always get the right temperature as per your requirement.
11.	Data logging	No data logging	Yes, Wonder Mill gives the data in the form of list containing Output of Mill, Temperature of Mill, and Power Consumption of Mill.
12.	Labor Input	More dependency and higher number of HR	Less dependency and less no. of HR, thus the quality and output will be fullest consistency.
13.	Technology	Older Technology	New edge CNC Technology for maximum saving and production cost cutting.
14.	Safety	No System	Highly safe as the pre-set parameter do not let the system go in to dangerous and hazardous situation.
15.	Product - Consistency	Lesser Consistency	Consistency well achieved as the system maintain the gap of stone and every time we get the same output as per the pre-set recipe.
16.	Investment Return	Higher cost of production thus the longer pay back time	More output, more Power Saving, less HR, less wear & tear, less losses of operations (Burning of Atta & Stone, under capacity)

Manufactures & Exporters

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Numbers, type of items shown in the picture may differ or may not be the part of standard equipment depending upon the specification, requirement, situation, model no. and need of R&D.
All specifications are approximate and are not binding to details. We reserve rights to amend and alter without notice.